



Sterling Machinery Exchange
9310 Garvey Ave S. El Monte, CA 91733
626-444-0311
www.sterlingmachinery.com

DAKE PRESSES

HYDRAULIC PRESSES

*Electrically - Operated
Hand - Operated
Air - Operated*

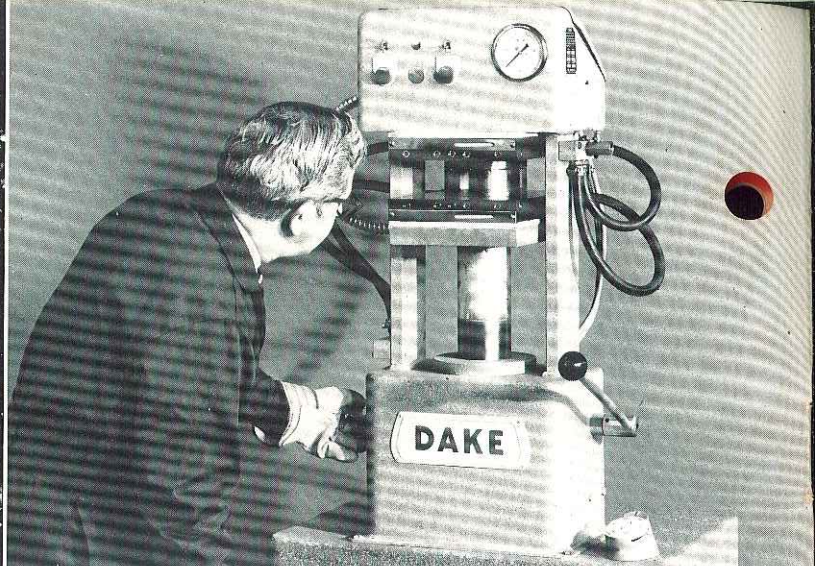
ARBOR PRESSES

UTILITY PRESSES

CUSTOM-ENGINEERED PRESSES



DAKE Model 75H hand-operated Hydraulic Press used in stamping designs on steel molds. These molds are required for the manufacture of rubber bath mats.

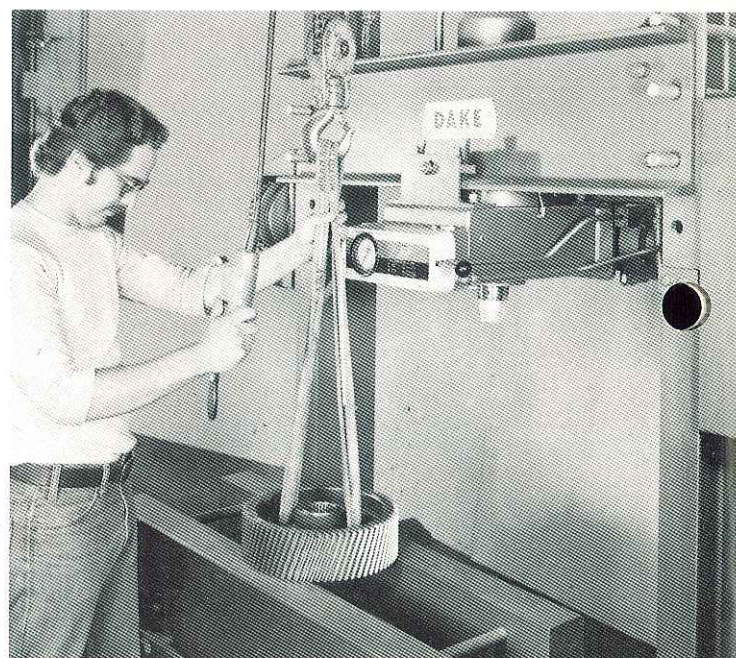


DAKE Model 44-250 50 ton laboratory press with pedestal complete with electrically heated, water cooled platens for laminating and compression molding of rubber and thermosetting plastics.

DAKE

established
1887

Exceptional power ... strength ... versatility ... they're all your's when you choose DAKE Presses. Here is equipment built by a company that for over 70 years has maintained an outstanding reputation. Correct in design, rugged in construction, and built with expert workmanship, DAKE Presses — ranging in capacity from 1 to 200 tons in standard models and up to 1200 tons in custom engineered models — assure you complete satisfaction for production, maintenance, and service work. Choose DAKE...take the leader in the field.



DAKE Model 42-402 75 ton movable table press allowing operator to load the work outside the press with an overhead hoist and then move the table into position for the pressing operation.



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Dake Hydraulic Presses

You'll find that the extra-broad line of stock model presses offered by Dake enables you to pick the exact equipment for your particular requirements. For special applications, however, Dake is equipped to design and build a wide range of custom engineered presses. Some examples of these are shown on pages 15 and 16.

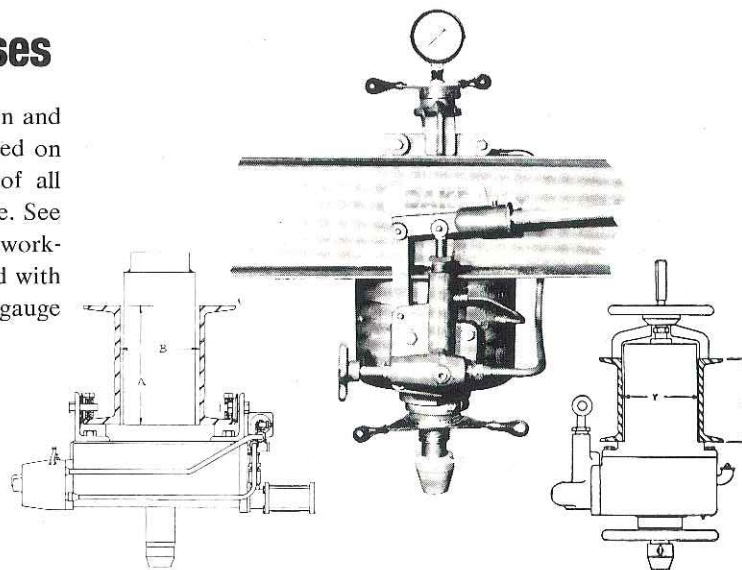
The heart of a Dake Hydraulic Press is the self-contained, movable workhead unit. These workheads are available without the press frame. More detailed information on Hand-Operated, Air-operated, and the single-acting Elec-Draulic I Press workheads is given on pages 4 through 9 of this catalog, along with descriptions of the complete presses.

All the workheads (except on the 25-ton Hand-Operated model) are movable along the head channels. This feature enables the operator to position the workhead quickly for off-center work. The workhead can be locked in any desired location. The hydraulic cylinder is constructed of tough, wear-resistant steel which assures long, efficient, service-free operation.

The Air-Hydraulic and Elec-Draulic I Presses feature automatic "rapid ram approach" to move the rams quickly to the work. The Hand-Operated Presses are equipped with screw type auxiliary rams that can be advanced rapidly to the work with a convenient handwheel. On all models, a release valve automatically returns the ram to the starting point.

Workheads For Dake Hydraulic Presses

The illustration at the right shows the self-contained construction and roller mounting of the 50-ton Hand-Operated workhead furnished on the Model 50-H Dake Hydraulic Press. The workhead units of all Dake presses can be furnished separately for use with any frame. See details and dimensional specifications below. All hydraulic workheads (except on the 25-ton Hand-Operated model) are equipped with roller mountings, and all are furnished complete with pressure gauge and a flat ram nose for pressing.



specifications

| HAND OPERATED | | | | | | AIR-OPERATED | | | | | | ELEC-DRAULIC I | | | | |
|------------------|--------------|---------------------|------------------------------|---------------|---------------|--------------|---------------------|------------------------------------|------------------------------|---------------|---------------|----------------|---------------------|------------------------------|---------------|---------------|
| Capacity Tons | Model No. | Item Code No. | Shipping Weight Pounds | "X" Inches | "Y" Inches | Model No. | Item Code No. | Air Pressure Required PSI | Shipping Weight Pounds | "A" Inches | "B" Inches | Model No. | Item Code No. | Shipping Weight Pounds | "A" Inches | "B" Inches |
| 25 | 25HW | 07006 | 160 | 7 | 5 | 6-226 | 06226 | 90-160 | 345 | 7 | 5 | 5-026 | 05026 | 425 | 8 | 7 |
| | | | | | | 6-426 | 06426 | 90-160 | 370 | | | | | | | |
| 50 | 50HW | 07007 | 275 | 8 | 7 | 6-251 | 06251 | 90-160 | 365 | 8 | 7 | 5-051 | 05051 | 550 | 8 | 7 |
| | | | | | | 6-451 | 06451 | 90-160 | 390 | | | | | | | |
| 75 | 75HW | 07008 | 350 | 12 | 8 | 6-276 | 06276 | 90-160 | 420 | 12 | 8 | 5-076 | 05076 | 650 | 12 | 8 |
| | | | | | | 6-476 | 06476 | 90-160 | 445 | | | | | | | |
| 125 | 125HW | 07009 | 865 | 18 | 12 | | | | | | | | | | | |
| 150 | 150HW | 07010 | 875 | 18 | 12 | 6-651 | 06651 | 90-160 | 790 | 18 | 12 | 5-151 | 05151 | 995 | 18 | 12 |
| | | | | | | 6-851 | 06851 | 90-160 | 815 | | | | | | | |
| 200 | | | | | | 6-901 | 06901 | 100-160 | 850 | 20 | 12 | 5-201 | 05201 | 1080 | 20 | 12 |

Dake Elec-Draulic I Single-Acting Presses

general features

The Dake line of Elec-Draulic I single-acting presses includes a model ideally suited to a broad range of bending, forming, straightening, and general pressing operations in production or in the tool room. All are fast operating, and ruggedly constructed for long, dependable operation and minimum maintenance.

RAPID RAM APPROACH—Automatically moves the ram quickly to the work. Saves valuable production time.

VARIABLE RAM SPEED—Fingertip control of the ram movement makes the Elec-Draulic I Press ideal for bending, straightening, forming or any work requiring absolute control of the pressure applied.

MOVABLE WORKHEAD—Self-contained. Roller mounted on ball bearings to permit moving quickly to any point along the head channels for off-center work. Locking screws are provided.

HEAVY-DUTY FRAME—Rigid, arc-welded steel, reinforced throughout.

SAFETY VALVE—Protects against overloads.

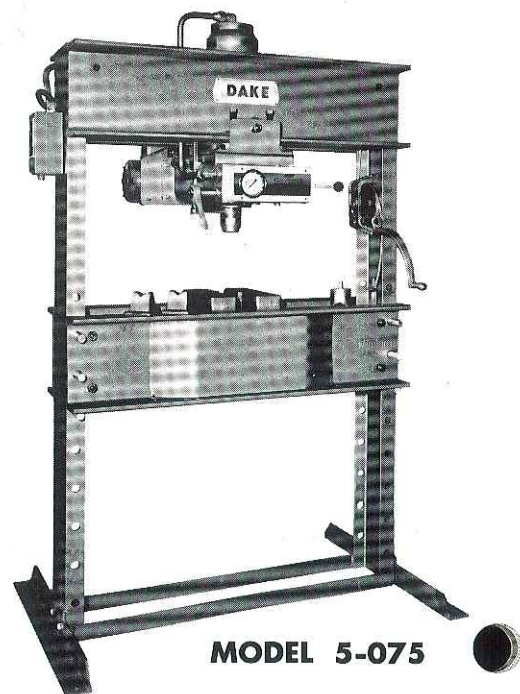
MODERN DESIGN—All operating controls and pressure gauge are at a convenient working height.

ADJUSTABLE TABLE—Self-locking hoist permits quick, easy adjustment.

STROKE INDICATOR—For accurate ram control.

AUTOMATIC RAM RETURN—Ram starts to return as soon as the release valve is opened. It may be stopped at any point by closing the release valve.

MOTOR—Furnished as standard equipment. Constant running; not necessary to start and stop it for each operation.



MODEL 5-075

Standard Equipment on All Models

Structural steel frame; self-contained work-head including 2-HP, 230/460 volt, 60 cycle, 3 phase motor and switch; pressure gauge; safety valve; self-locking table hoist; two forged steel V-blocks; two forged steel table plates; flat ram nose for pressing; V-ram nose for straightening; and stroke indicator.

specifications

| Press Model No. | Item Code No. | Capacity Tons | Ram Speed Inches/Min. | | Motor HP | Motor RPM | Overall Height Inches | Floor Space Inches | Travel of Table Inches | Travel of Ram Inches | Width between Uprights Inches | Width between Table Channels Inches | Maximum Distance Ram to Table Inches | Shipping Weight Pounds |
|-----------------|---------------|---------------|-----------------------|-------|----------|-----------|-----------------------|--------------------|------------------------|----------------------|-------------------------------|-------------------------------------|--------------------------------------|------------------------|
| | | | Adv. | Press | | | | | | | | | | |
| 5-025 | 05025 | 25 | 80 | 14 | 2 | 1800 | 85 | 36x43½ | 35 | 10 | 32¾ | 7¼ | 40 | 1000 |
| 5-050 | 05050 | 50 | 40 | 7 | 2 | 1800 | 87 | 36x43½ | 35 | 10 | 32¾ | 7¼ | 40 | 1320 |
| 5-075 | 05075 | 75 | 28 | 5 | 2 | 1800 | 86 | 36x55½ | 30 | 10 | 44 | 8¾ | 36 | 1650 |
| 5-150 | 05150 | 150 | 16 | 2¾ | 2 | 1800 | 95 | 42x66 | 20 | 16 | 48 | 12¼ | 30 | 3000 |
| 5-200 | 05200 | 200 | 16 | 2¾ | 3 | 1800 | 100 | 48x64 | 24 | 16 | 48 | 18¾ | 30 | 4380 |

Dake Elec-Draulic II Double-Acting Presses

general features

The versatile line of Dake Elec-Draulic II Double-Acting hydraulic presses offer a combination of features not available in the single-acting models. They're designed to deliver extra-long, low-maintenance service life on a wide variety of shop applications which require a pulling force of the ram as well as the pressing force.

DOUBLE-ACTING CYLINDER—A heavy duty, precision-built, double-acting cylinder for lifting as well as pressing and utilize a unique Tee ring seal.

VARIABLE RAM SPEED—Dake's own throttling type 4 way valve varies the ram speed and pressure build-up with the control lever at a convenient operator location.

HEAVY-DUTY FRAME—The extra-rigid, arc-welded steel frame is reinforced throughout for strength and stability.

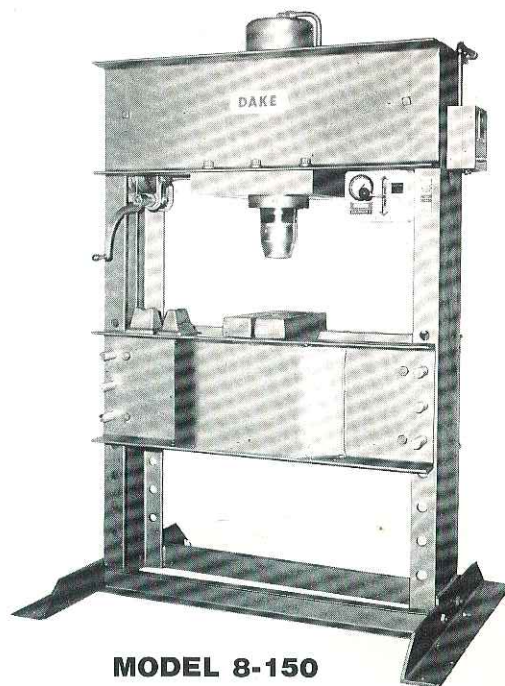
SAFETY VALVE—Safety relief valve guards against overloads.

MODERN DESIGN—All operating controls and pressure gauge are positioned at a convenient working height. All hydraulic lines are of seamless steel tubing.

ADJUSTABLE TABLE—Pinned table resists pressing and pulling force of the large-diameter ram. Self-locking table hoist is provided for quick, easy adjustment.

PUMP—Dake's constant volume, axial piston type. Quiet operation utilizing a locked hydraulic circuit.

MOTOR—Constant running, guarded. Furnished as standard equipment.



MODEL 8-150

Standard Features on All Models

Structural steel frame; double-acting work-head; pressure gauge; safety relief valve; throttling type 4 way valve; table hoist; two forged steel Vee Blocks, two forged steel table plates; flat ram nose for pressing (removable) motor and pump.

specifications

| Model | Item Code No. | Capacity Tons | | Ram Speed Inches/Min. | | Motor HP | Motor RPM | Overall Height In. | Floor Space In. | Travel of Table In. | Travel of Ram In. | Width Between Uprights In. | Width Between Table Channels | Maximum Distance Ram to Table, In. | Shipping Weight, Lbs. |
|-------|---------------|---------------|------|-----------------------|--------|----------|-----------|--------------------|-----------------|---------------------|-------------------|----------------------------|------------------------------|------------------------------------|-----------------------|
| | | Press | Pull | Pressing | Return | | | | | | | | | | |
| 8-025 | 08025 | 25 | 10 | 15 | 35 | 2 | 1800 | 83 | 36x43½ | 35 | 10 | 32¾ | 7¼ | 46¾ | 1060 |
| 8-050 | 08050 | 50 | 18 | 8 | 22 | 2 | 1800 | 86 | 36x43½ | 35 | 10 | 32¾ | 7¼ | 45½ | 1360 |
| 8-075 | 08075 | 75 | 28 | 5 | 15 | 2 | 1800 | 86 | 36x55½ | 30 | 10 | 44 | 8¼ | 37½ | 1950 |
| 8-080 | 08080 | 75 | 28 | 30 | 80 | 10 | 1800 | 86 | 36x55½ | 30 | 10 | 44 | 8¼ | 37½ | 2100 |
| 8-150 | 08150 | 150 | 65 | 17 | 38 | 10 | 1800 | 95 | 42x66 | 20 | 16 | 48 | 12¼ | 31¾ | 3620 |
| 8-200 | 08200 | 200 | 78 | 8 | 20 | 7½ | 1800 | 106 | 48x64 | 24 | 16 | 48 | 18½ | 30 | 6100 |



Dake Air Operated HYDRAULIC PRESSES

general features

RAPID RAM APPROACH — Automatically moves the ram quickly to the work. Saves valuable production time.

MOVABLE WORKHEAD — Self-contained. Roller mounted on ball bearings to permit moving quickly to any point along the head channels for off-center work. Locking screws are provided.

HEAVY DUTY FRAME — Rigid arc-welded steel, reinforced throughout.

SAFETY VALVE — Protects against overloads.

MODERN DESIGN — All operating controls and

pressure gauge are at a convenient working height.

ADJUSTABLE TABLE — Self-locking hoist permits quick, easy adjustment.

STROKE INDICATOR — For accurate control of ram.

AUTOMATIC RAM RETURN — Ram starts to return as soon as the release valve is opened. It may be stopped at any point by closing the valve.

NO HAND PUMPING — The air driven hydraulic pump delivers oil pressure sufficient to develop the full capacity of the press.

specifications

| Press Model No. | Item Code No. | Capacity Tons | Air Pressure Pounds | Number of Pumps | Ram Speed Inches/Min. | | | Overall Height Inches | Floor Space Inches | Travel of Table Inches | Travel of Ram Inches | Width between Uprights Inches | Width between Table Channels | Maximum Distance Ram to Table Inches | Shipping Weight Pounds |
|-----------------|---------------|---------------|---------------------|-----------------|-----------------------|--------|--------|-----------------------|--------------------|------------------------|----------------------|-------------------------------|------------------------------|--------------------------------------|------------------------|
| | | | | | Adv. | Press* | Return | | | | | | | | |
| 6-225 | 06225 | 25 | 90-160 | 1 | 110 | 6 | 120 | 81 | 30x42½ | 35 | 10 | 33½ | 5⅝ | 36 | 750 |
| 6-425 | 06425 | | 90-160 | 2 | 100 | 10 | | | | | | | | | 800 |
| 6-250 | 06250 | 50 | 90-160 | 1 | 65 | 3 | 60 | 87 | 36x43½ | 35 | 10 | 32¾ | 7¼ | 40 | 1100 |
| 6-450 | 06450 | | 90-160 | 2 | 55 | 5 | | | | | | | | | 1150 |
| 6-275 | 06275 | 75 | 90-160 | 1 | 45 | 2 | 45 | 86 | 36x55 | 30 | 10 | 44 | 8¾ | 36 | 1500 |
| 6-475 | 06475 | | 90-160 | 2 | 40 | 3½ | | | | | | | | | 1550 |
| 6-650 | 06650 | 150 | 90-160 | 1 | 25 | 1 | 25 | 95 | 42x66 | 20 | 16 | 48 | 12¼ | 30 | 3000 |
| 6-850 | 06850 | | 90-160 | 2 | 22 | 2 | | | | | | | | | 3050 |
| 6-900 | 06900 | 200 | 100-160 | 2 | 22 | 2 | 25 | 100 | 48x64 | 24 | 16 | 48 | 18¾ | 30 | 4380 |

*Under no load — Slows down with load.



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25 TON**STANDARD EQUIPMENT**

Structural steel frame; self-contained hydraulic workhead; pressure gauge; safety valve; self-locking table hoist; two steel combination table plates and V-blocks; flat ram nose for pressing; V-ram nose for straightening; and stroke indicator.

MODEL 6-225

The 25 ton DAKE "Air-Hydraulic" Press combines easy operation, low cost, and speed; making it ideal both for general pressing and production work. In addition to many uses in the metal-working industries, this press is used in woodworking, plastics, experimental laboratories, and for numerous other applications.

50 TON**STANDARD EQUIPMENT**

Structural steel frame; self-contained hydraulic workhead; pressure gauge; safety valve; self-locking table hoist; two forged steel table plates; two forged steel V-blocks; flat ram nose for pressing; V-ram nose for straightening; and stroke indicator.

MODEL 6-250

Shown here is the 50 ton DAKE "Air-Hydraulic" Press. Its rugged strength, versatile design, and reasonable cost have made this press a popular choice of many kinds of concerns. Whether pushing a broach, cutting stone in a quarry, or taking a bearing off an axle, this press provides economical power.

75 TON**STANDARD EQUIPMENT**

Structural steel frame; self-contained hydraulic workhead; pressure gauge; safety valve; self-locking table hoist; two forged steel table plates; two forged steel V-blocks; flat ram nose for pressing; V-ram nose for straightening; and stroke indicator.

MODEL 6-275

One of the greatest values in shop type presses is this 75 ton DAKE "Air-Hydraulic" Press. Its many features and reliable power are matched by no other press near its low cost. Machine shops, tool and die shops, truck repair stations, and many other businesses find this press essential to their profitable operation.

150 TON**STANDARD EQUIPMENT**

Structural steel frame; self-contained hydraulic workhead; pressure gauge; safety valve; self-locking table hoist; two forged steel table plates; two forged steel V-blocks; flat ram nose for pressing; V-ram nose for straightening; and stroke indicator.

MODEL 6-650

Power to meet the demands of the heaviest types of press work is offered by this 150 ton DAKE "Air-Hydraulic" Press. Heavy industry, steel fabricating shops, maintenance and repair shops for heavy equipment will find that this press fills their requirements perfectly.

Dake Hand-Operated HYDRAULIC PRESSES

general features

STEEL CYLINDER — Extra-Heavy duty hydraulic cylinder fabricated of heavy walled seamless steel tubing. The bore is a burnished finish for long packing life.

HEAVY DUTY FRAME — Rigid arc-welded steel, reinforced throughout.

AUXILIARY RAM — Screw type, advanced quickly to the work with a convenient handwheel.

MOVABLE WORKHEADS — All (except the 25 ton model) are roller mounted so that they can easily be moved along the head channels to handle off-center work. All are compact self-contained units. A handwheel locks the workheads in position.

ADJUSTABLE TABLE — Self-locking hoist permits quick, easy adjustment.

AUTOMATIC RAM RETURN — Ram starts to return as soon as the release valve is opened. It may be stopped at any point by closing the valve.

PRESSURE GAUGE — Large dial type, graduated in tons.

SAFETY BY-PASS — Prevents ram from being extended too far.

CONSERVATIVELY RATED — Actually tested at 10% greater pressures than their rating.

specifications

| Press No. | Item Code No. | Capacity Tons | Height Overall Inches | Floor Space Inches | Travel of Table Inches | Travel of Ram Inches | Travel of Screw Inches | Width between Uprights (Largest Dia. Work) Inches | Width between Table Channels (Largest Arbor) Inches | Maximum Distance of Ram to Table in Lowest Position Inches | Shipping Weight Pounds |
|-----------|---------------|---------------|-----------------------|--------------------|------------------------|----------------------|------------------------|---|---|--|------------------------|
| 25H | 07001 | 25 | 76 | 30x42½ | 35 | 5 | 5 | 33½ | 5⅝ | 39 | 450 |
| 50H | 07002 | 50 | 85 | 36x43½ | 35 | 4 | 7 | 32¾ | 7¼ | 40 | 810 |
| 75H | 07003 | 75 | 87 | 36x55 | 30 | 4½ | 7 | 44 | 8¼ | 36 | 1245 |
| 125H | 07004 | 125 | 95 | 42x66 | 20 | 8 | 8 | 48 | 12⅝ | 25 | 2750 |
| 150H | 07005 | 150 | 95 | 42x66 | 20 | 8 | 8 | 48 | 12¼ | 25 | 2750 |



25 TON

**STANDARD
EQUIPMENT**

Structural steel frame; self-contained hydraulic workhead; pressure gauge; self-locking table hoist; two steel combination table plates and V-blocks; and a flat ram nose for pressing.

MODEL 25H

This Model 25H DAKE Hand-Operated hydraulic press is designed to handle the lighter pressing jobs that turn up so frequently in every shop. Its conservative rating allows its use to full capacity constantly.



50 TON

**STANDARD
EQUIPMENT**

Structural steel frame; self-contained hydraulic workhead; pressure gauge; self-locking table hoist; two forged steel table plates; two forged steel V-blocks; flat ram nose for pressing, and a V-ram nose for straightening. (The photograph shows the press with optional equipment not furnished as standard including a side press, testing attachment, and dial test indicator. See page 10.)

MODEL 50H

Here is an all around press for all types of applications. The 50H DAKE Hand-Operated press combines rugged construction, extreme versatility, and large capacity with low cost. It is widely used for straightening, bending, forming and many other operations.



75 TON

**STANDARD
EQUIPMENT**

Structural steel frame; self-contained hydraulic workhead; pressure gauge; self-locking table hoist; two forged steel table plates; two forged steel V-blocks; flat ram nose for pressing; and a V-ram nose for straightening.

MODEL 75H

75 tons of force is readily available with this Model 75H DAKE Hand-Operated hydraulic press . . . force for small die try-out, truck repair, light hobbing, maintenance, assembling press fit parts, and countless other uses.



125 TON

**STANDARD
EQUIPMENT**

Structural steel frame; self-contained hydraulic workhead; pressure gauge; self-locking table hoist; two forged steel table plates; two forged steel V-blocks; flat ram nose for pressing; and a V-ram nose for straightening.

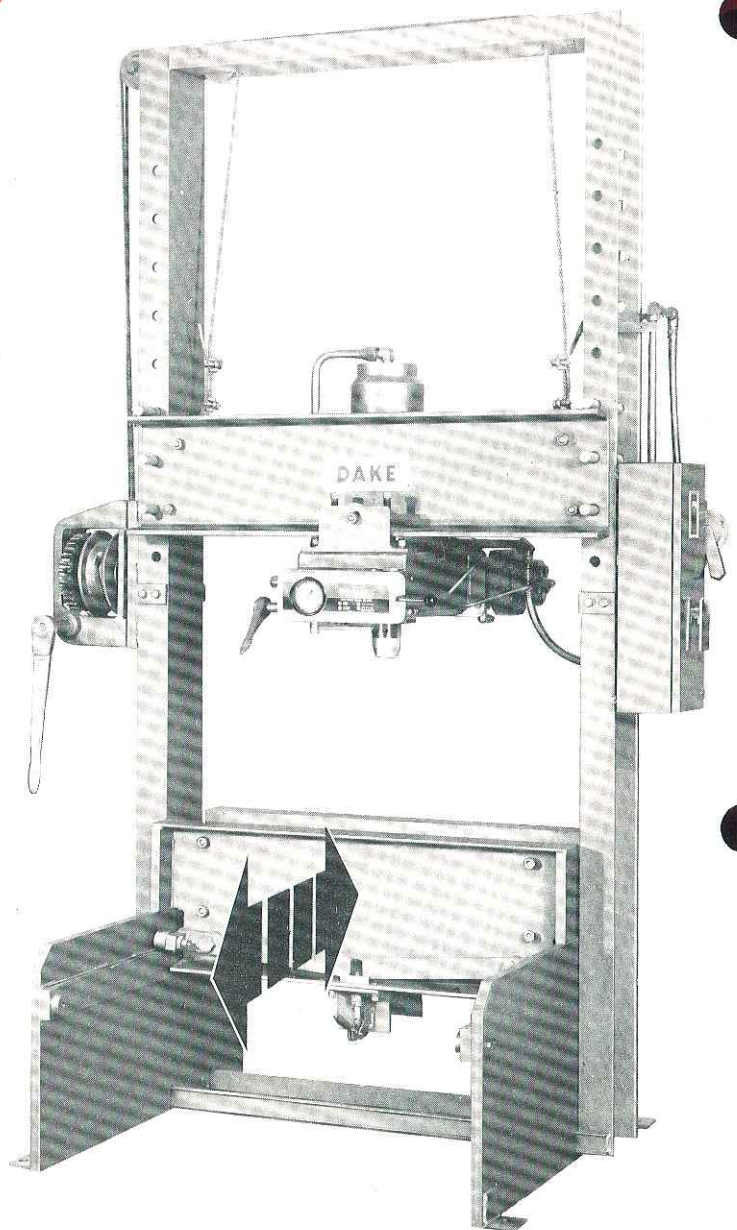
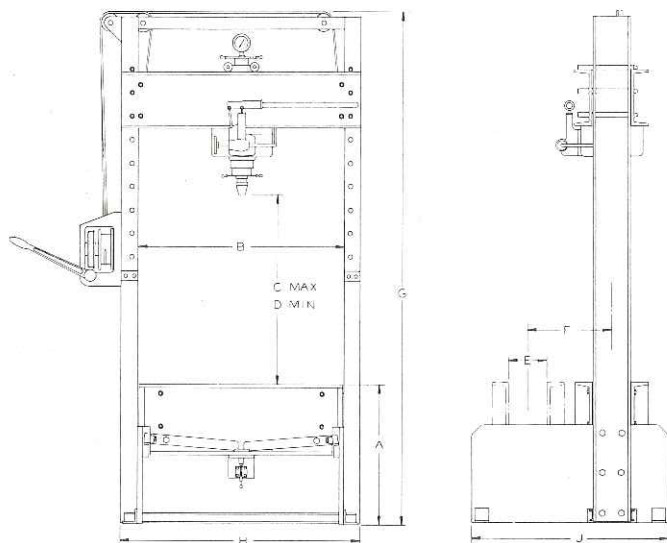
MODEL 125H

The Model 125H DAKE Hand-Operated hydraulic press can handle the largest and heaviest work. County and state road commission garages, large machinery fabricators, and maintenance shops for large equipment have found this press to be a necessity for completing heavy work in the shortest possible time.

Dake Movable Table HYDRAULIC PRESSES

Let you load heavy, awkward workpieces outside the press — and then move them easily into pressing position.

Dake Moveable Table Hydraulic Presses quickly solve the problem of handling large, heavy or awkward workpieces on a variety of shop pressing operations. Just slide the table out of the press frame, load the work by overhead crane or hoist, then easily roll the table into pressing position under the workhead. Use it for all types of bending, forcing, forming, straightening, assembling, disassembling and press fitting applications. Tables are roller-bearing mounted for ease of movement and are secured in the pressing position by two conveniently-located, positive table locks. Self-contained workheads can be easily moved from left to right along head channels for offset work (except on Model 42-200 and all Elec-Draulic II Double-Acting Models) and can be adjusted vertically by means of a rugged, self-locking head channel hoist. Rigid, arc-welded steel frames mean years of accurate, heavy-duty service.



specifications

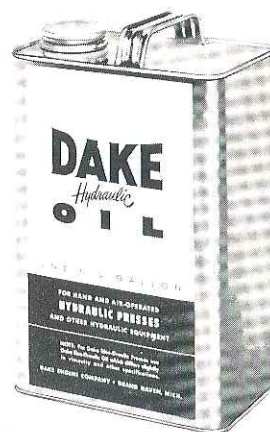
| Capacity (tons) | Operation | Model | A | B | C | D | E | F | G | HxJ | Shipping Weight (lbs.) |
|-----------------|---------------------------------|--------|----|------------------|------------------|------------------|------------------|----|-----|-------|------------------------|
| 25 | Hand | 42-200 | 30 | 32 $\frac{3}{4}$ | 40 | 10 | 7 $\frac{1}{4}$ | 22 | 100 | 37x42 | 1150 |
| | Air | 42-300 | 30 | 32 $\frac{3}{4}$ | 37 | 7 | 7 $\frac{1}{4}$ | 22 | 100 | 37x42 | 1350 |
| | Elec-Draulic I (Single Acting) | 42-400 | 30 | 32 $\frac{3}{4}$ | 37 | 7 | 7 $\frac{1}{4}$ | 22 | 100 | 37x42 | 1450 |
| | Elec-Draulic II (Double Acting) | 42-500 | 30 | 32 $\frac{3}{4}$ | 37 | 7 | 7 $\frac{1}{4}$ | 22 | 100 | 37x42 | 1275 |
| 50 | Hand | 42-201 | 30 | 32 $\frac{3}{4}$ | 40 | 10 | 7 $\frac{1}{4}$ | 22 | 108 | 37x43 | 1420 |
| | Air | 42-304 | 30 | 32 $\frac{3}{4}$ | 40 $\frac{7}{8}$ | 10 $\frac{7}{8}$ | 7 $\frac{1}{4}$ | 22 | 108 | 37x43 | 1500 |
| | Elec-Draulic I (Single Acting) | 42-401 | 30 | 32 $\frac{3}{4}$ | 40 $\frac{7}{8}$ | 10 $\frac{7}{8}$ | 7 $\frac{1}{4}$ | 22 | 108 | 37x43 | 2200 |
| | Elec-Draulic II (Double Acting) | 42-501 | 30 | 32 $\frac{3}{4}$ | 44 | 14 | 7 $\frac{1}{4}$ | 22 | 114 | 37x43 | 2200 |
| 75 | Hand | 42-202 | 30 | 44 | 40 | 10 | 8 $\frac{1}{4}$ | 22 | 110 | 52x47 | 2350 |
| | Air | 42-308 | 30 | 44 | 41 $\frac{3}{4}$ | 11 $\frac{3}{4}$ | 8 $\frac{1}{4}$ | 22 | 110 | 52x47 | 2450 |
| | Elec-Draulic I (Single Acting) | 42-402 | 30 | 44 | 41 $\frac{3}{4}$ | 11 $\frac{3}{4}$ | 8 $\frac{1}{4}$ | 22 | 110 | 52x47 | 2650 |
| | Elec-Draulic II (Double Acting) | 42-502 | 30 | 44 | 43 $\frac{3}{8}$ | 13 | 8 $\frac{1}{4}$ | 22 | 116 | 52x47 | 2950 |
| 150 | Hand | 42-203 | 34 | 48 | 60 | 10 | 12 $\frac{1}{4}$ | 30 | 145 | 56x58 | 3750 |
| | Air | 42-312 | 34 | 48 | 64 $\frac{1}{4}$ | 14 $\frac{1}{4}$ | 12 $\frac{1}{4}$ | 30 | 145 | 56x58 | 3660 |
| | Elec-Draulic I (Single Acting) | 42-403 | 34 | 48 | 64 $\frac{1}{4}$ | 14 $\frac{1}{4}$ | 12 $\frac{1}{4}$ | 30 | 145 | 56x58 | 4700 |
| | Elec-Draulic II (Double Acting) | 42-503 | 34 | 48 | 65 $\frac{1}{2}$ | 15 $\frac{1}{2}$ | 12 $\frac{1}{4}$ | 30 | 150 | 56x58 | 4700 |

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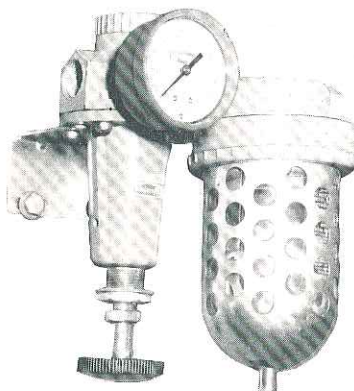
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Attachments HYDRAULIC PRESSES

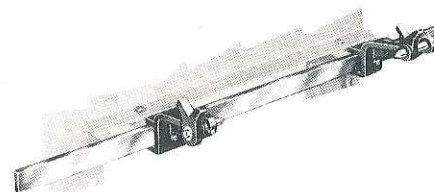
DAKE HYDRAULIC OIL is recommended for all hand, air and electrically operated hydraulic presses, and is ideally suited to use in a variety of other hydraulic equipment. It will not gum or corrode; it inhibits rust, preserves packing leathers, and can be used safely at extreme temperatures.



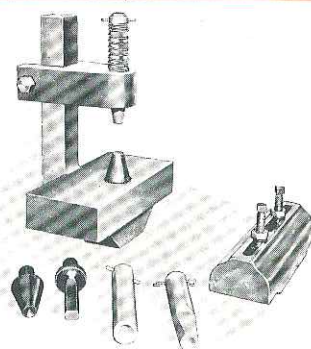
FOOT VALVE NO. A-105 — with hose. For use with air presses where foot control is desired. The press ram will move somewhat slower when this valve is used. Complete with hose, fittings and check valve, ready to connect to air press. Shipping weight 7 lbs. Item Code No. 08006.



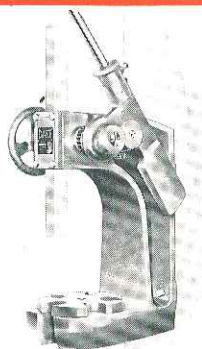
AIR FILTER AND REGULATOR NO. 8-012. Combination air regulator and filter assembled on air press frame complete with flexible line to workhead. Item Code No. 08012.



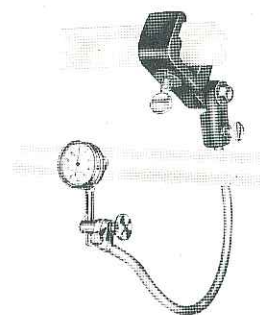
TESTING ATTACHMENT No. 38-25. Supports work up to 64 inches on DAKE Hydraulic Presses during straightness tests with No. 35-20 Dial Test Indicator. V-blocks hold centerless pieces. Work with centers is mounted between centers. Centerheads slide on rectangular bar. Bracket connections. Shipping weight 35 lbs. Item Code No. 08002.



RING GEAR RIVETING ATTACHMENT No. 1RF. For upsetting rivets cold so that holes will be completely filled with metal. Attachment is made so that it will fit our 50-ton or 75-ton presses. Rivet set held in raised position by a spring. Welded construction with square upright assures positive alignment of rivet set. Complete with two flat anvils, one cupped anvil, $\frac{3}{16}$ " and $\frac{3}{8}$ " rivet set, $\frac{7}{16}$ " and $\frac{1}{2}$ " rivet set. Shipping weight 135 lbs. Item Code No. 08001.



SIDE PRESS No. 1 $\frac{3}{4}$. 3-Ton Ratchet-Type Single Leverage Press which can be bolted to side of all DAKE Hydraulic Presses. Convenient for handling small jobs. Approximate pressure 3 tons. Largest diameter of work 14 in. Capacity over table 11 $\frac{1}{4}$ in. Capacity over table plate 10 $\frac{1}{2}$ in. Largest diameter arbor 2 in. Shipping weight 125 lbs. Item Code No. 02007.

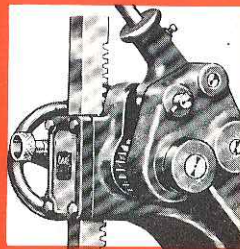


DIAL TEST INDICATOR No. 35-20. For accurately testing work during straightening operations. Simple, reliable, easy to read, and sensitive to .001 inch. Adjustable bracket supports a gooseneck arm for holding indicator during tests. Shipping weight 2 lbs. Item Code No. 08003.

Arbor Presses

The frame of a DAKE Arbor Press is a heavy semi-steel casting. Long, carefully machined bearings guide the ram perpendicularly to the table. The table is machined to provide an accurate work support. The machined tableplate has slots to hold arbor work over the table opening. The bases of bench-type presses are drilled for bolting to a bench or pedestal.

The square ram of a DAKE Arbor Press has larger bearing surfaces, which prolong service life. The machined ram bearing plate is held securely to the frame by four large cap screws, permitting take-up for possible wear.

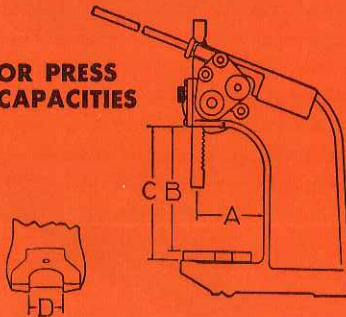


SQUARE RAM — The square ram provides larger bearing surface and longer service life. A shimmed cap provides take-up for wear.



MACHINED TABLE — The machined table surface gives accurate work support. The tableplate is slotted for arbor work.

ARBOR PRESS CAPACITIES

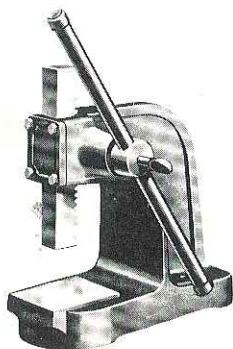


- A RADIUS OF WORK** — Largest diameter of work is twice the distance from center of ram to frame.
- B CAPACITY OVER TABLEPLATE** — Distance from top tableplate to ram in highest position.
- C CAPACITY OVER TABLE** — Distance from table to ram in highest position.
- D LARGEST ARBOR** — Size of opening in base for arbor work.

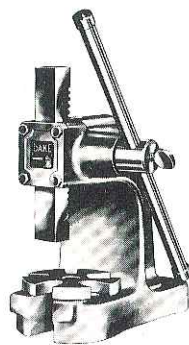
Single Leverage PRESSES

Designed for light production and assembly work. Most models have a large opening in base for arbor work, and are equipped with a slotted

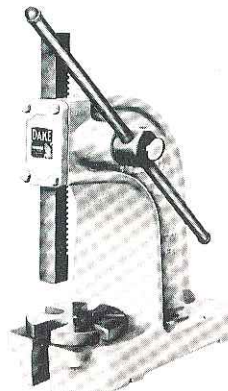
tableplate. Nos. X and Y have solid square table. Pedestal can be furnished on all except No. 00 and X.



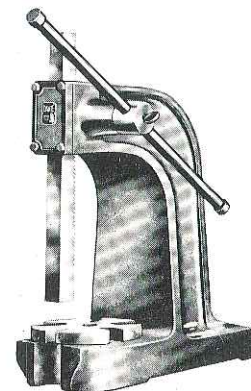
MODEL X



MODEL 00



MODEL 0



MODEL 1

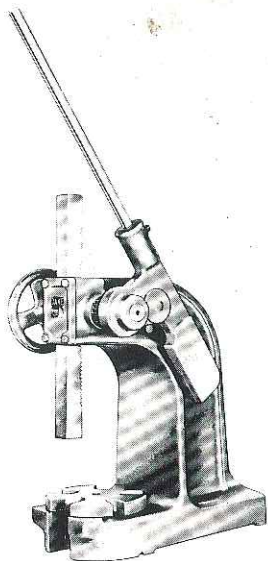
specifications

| Press No. | Item Code No. | Approx. Tons Pressure | Largest Diam. Work Inches | Largest Diam. Arbor Inches | Capacity Over Table Inches | Capacity Over Table Plate Inches | Size and Length of Ram Inches | Bench Space Inches | Height of Press Body Inches | Leverage Ratio | Shipping Weight Pounds | Floor Space Inches | Height Pedestal Inches | Shipping Weight Pedestal Pounds |
|-----------|---------------|-----------------------|---------------------------|----------------------------|----------------------------|----------------------------------|-------------------------------|--------------------|-----------------------------|----------------|------------------------|--------------------|------------------------|---------------------------------|
| X | 01001 | 1 | 7 | — | 4 1/2 | — | 1 x1 x 7 1/2 | 4 1/4 x 9 1/2 | 9 | 25-1 | 25 | — | — | — |
| Y | 01002 | 1 1/2 | 9 | — | 7 3/4 | — | 1 x1 x12 | 6 x15 | 14 1/2 | 32-1 | 60 | 10x18 | 36 | 50 |
| 00 | 01004 | 1 | 7 | 1 | 5 | 4 1/2 | 1 x1 x 7 1/2 | 4 1/4 x 9 | 9 3/8 | 25-1 | 25 | — | — | — |
| 0 | 01005 | 1 1/2 | 9 | 1 | 7 3/4 | 7 1/8 | 1 x1 x12 | 6 x14 | 14 1/2 | 32-1 | 65 | 10x18 | 36 | 50 |
| 1 | 01006 | 3 | 12 | 2 | 11 1/2 | 10 3/4 | 1 1/4 x1 1/4 x16 1/2 | 7 1/4 x18 | 19 | 36-1 | 130 | 12x21 | 36 | 70 |

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Ratchet Type SINGLE LEVERAGE PRESSES

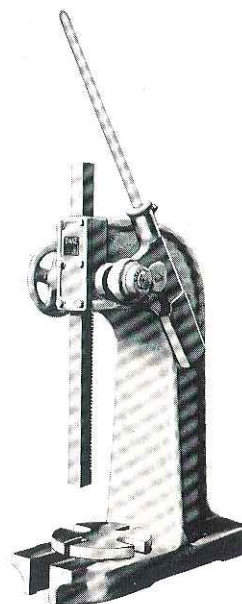


MODEL 1 1/2

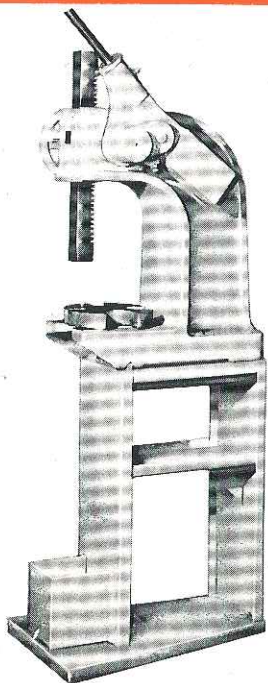
The **DAKE Nos. 1 1/2, 1 1/2B, 3A, and 4M Presses** are operated with a ratchet device which permits using lever in most convenient position — has counterweight for quick return of lever after down stroke. Lever and ratchet pawl are mounted in counterweight. Handwheel advances ram to work in an instant. Pedestals are available on Nos. 1 1/2, 1 1/2B, and 3A. No. 4M is a floor model press.

The **No. 1 1/2 Press** is a favorite with garages, service stations, and appliance shops for general service work up to 3 ton capacity. The No. 1 1/2 is equipped with an automatic friction brake that allows the ram to be held in any desired position.

The **No. 1 1/2B Press** was designed for keyway broaching and is similar to the No. 1 1/2 press except for longer ram and greater distance over table. The No. 1 1/2B press also has a larger ram bearing surface for guiding the broach and has an extra-large table surface. The No. 1 1/2B press makes an ideal all-around shop press.



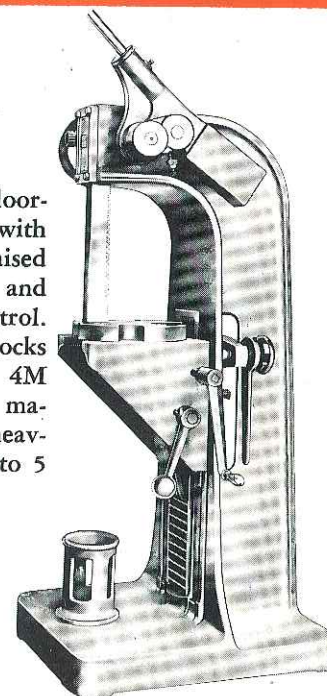
MODEL 1 1/2B



MODEL 3A

The **No. 3A Press**, shown mounted on a pedestal, is a larger machine for heavier classes of work up to 5 tons. The No. 3A press comes equipped with a hand-operated brake to hold the ram in position.

The **No. 4M** is a floor-type press equipped with an adjustable table, raised and lowered by rack and pinion with crank control. A heavy-duty clamp locks table in position. The 4M press is used in larger machine shops handling heavier classes of work up to 5 tons.



MODEL 4M

specifications

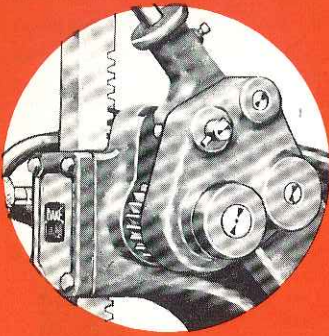
| Press No. | Item Code No. | Approx. Tons Pressure | Largest Diam. Work Inches | Largest Diam. Arbor Inches | Capacity Over Table Inches | Capacity Over Table Plate Inches | Size and Length of Ram Inches | Bench Space Inches | Height of press Body Inches | Leverage Ratio | Shipping Weight Pounds | Floor Space Inches | Height Pedestal Inches | Shipping Weight Pedestal Pounds |
|-----------|---------------|-----------------------|---------------------------|----------------------------|----------------------------|----------------------------------|-------------------------------|--------------------|-----------------------------|----------------|------------------------|--------------------|------------------------|---------------------------------|
| 1 1/2 | 02001 | 3 | 14 | 2 | 11 1/2 | 10 3/4 | 1 1/4 x 1 1/4 x 16 1/2 | 7 1/4 x 18 | 19 | 48-1 | 145 | 12 x 21 | 36 | 70 |
| 1 1/2B | 02002 | 3 | 14 | 2 | 18 1/4 | 17 1/2 | 1 1/4 x 1 1/4 x 24 1/2 | 8 1/4 x 21 | 28 | 48-1 | 196 | 18 x 24 | 33 | 125 |
| 1 3/4 | 02007 | 3 | 14 | 2 | 11 1/2 | 10 3/4 | 1 1/4 x 1 1/4 x 16 1/2 | — | 18 1/2 | 48-1 | 125 | — | — | — |
| 3A | 02004 | 5 | 20 | 4 | 16 | 14 1/2 | 2 1/2 x 23 | 10 x 24 | 28 1/2 | 55-1 | 450 | 18 x 28 1/2 | 33 | 150 |
| 4M | 02006 | 5 | 20 | 5 1/4 | 26 | 24 1/2 | 2 1/2 x 23 | — | 58 | 55-1 | 1045 | 21 1/2 x 29 | — | — |

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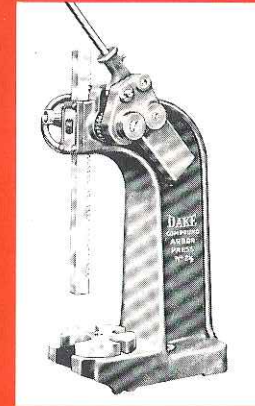
Compound Leverage PRESSES

COMPOUND LEVERAGE MECHANISM



Permits the operator to apply great pressures with minimum effort. Single or compound leverage is quickly obtained merely by inserting or extracting the sliding pin. When operating as a compound leverage press, the lever operates through the compound mechanism to step up the pressure applied to the ram.

In shops where heavier classes of press work are encountered, the combination ratchet and compound leverage presses are recommended. There are 7 models available ranging from 6 to 25 tons capacity. Nos. 2, 2B, 2½, and 3 have fixed machined table surfaces for work support and No. 4 has table with rack and pinion adjustment. Nos. 5 and 6 have two swinging tables for various heights. Nos. 2, 2B, 2½, and 3 are bench-type presses available with floor pedestals. Nos. 4, 5, and 6 are heavy-duty floor-type machines.

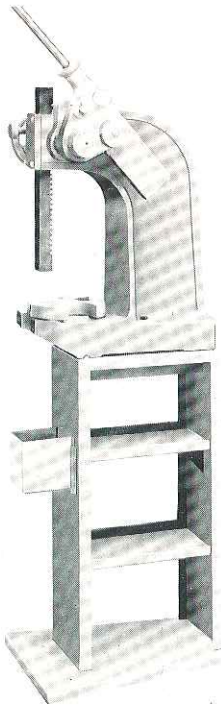


MODEL 2B PRESS

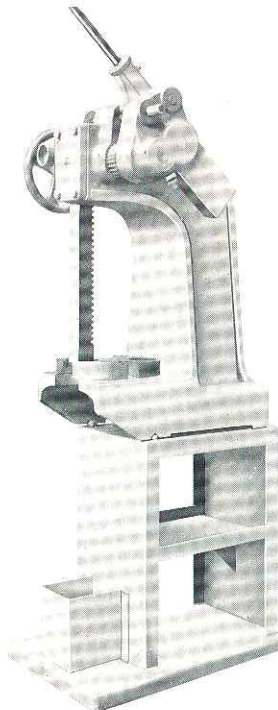
Designed for electrical and generator work and is the same as the No. 2 except that it has 5½" opening for arbors.

MODEL 2½ PRESS

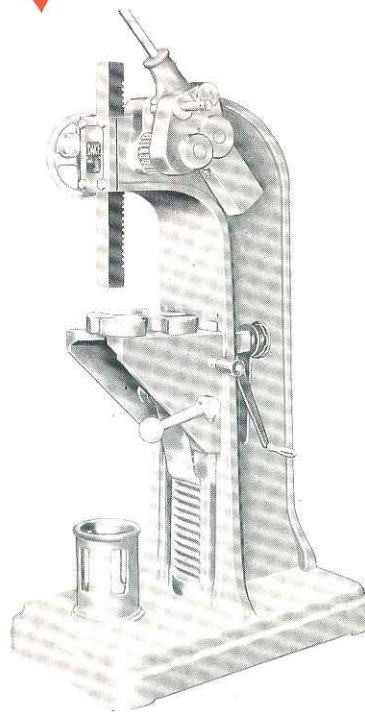
Same as the No. 2 Press except that it has 21" capacity over table, 19¾" over table-plate.



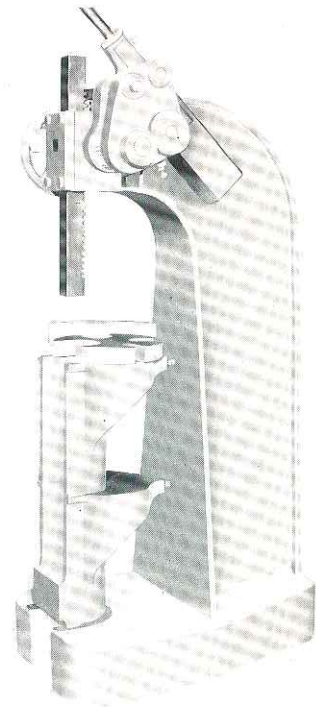
MODEL 2



MODEL 3



MODEL 4



MODEL 5

specifications

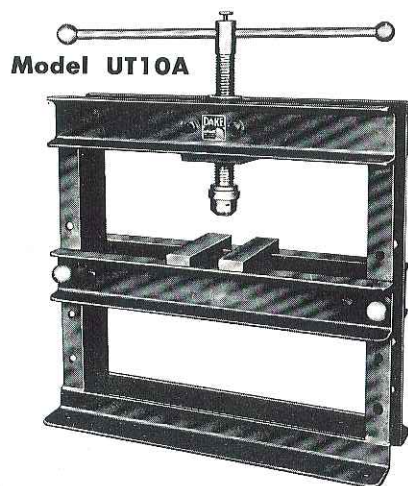
| Press No. | Item Code No. | Ap-prox. Tons Pres-sure | Larg-est Diam. Work Inches | Larg-est Diam. Arbor Inches | Capacity Over Table Inches | Capacity Over Table Plate Inches | Size and Length of Ram Inches | Bench Space Inches | Height of press Body Inches | Lever-age Ratio | Ship-ping Weight Pounds | Floor Space Inches | Height Ped-estal Inches | Shipping Weight Ped-estal Pounds |
|-----------|---------------|-------------------------|----------------------------|-----------------------------|----------------------------|----------------------------------|-------------------------------|--------------------|-----------------------------|-----------------|-------------------------|--------------------|-------------------------|----------------------------------|
| 2 | 03004 | 6 | 15½ | 3 | 15 | 13¾ | 1½ x 1½ x 19 | 8¼ x 20 | 26 | 66-1 | 260 | 18 x 23½ | 33 | 125 |
| 2B | 03001 | 6 | 15½ | 5½ | 15 | 14 | 1½ x 1½ x 19 | 8¼ x 20 | 26 | 66-1 | 280 | 18 x 23½ | 33 | 125 |
| 2½ | 03003 | 6 | 15½ | 3 | 21½ | 20¼ | 1½ x 1½ x 27 | 8¼ x 20 | 32½ | 66-1 | 315 | 18 x 23½ | 33 | 125 |
| 3 | 03005 | 12 | 20 | 5¼ | 19 | 17¼ | 2 x 2 x 24 | 13 x 25½ | 35½ | 112-1 | 640 | 21 x 30 | 27½ | 180 |
| 4 | 03007 | 12 | 20 | 5¼ | 26 | 24½ | 2 x 2 x 24 | — | 62 | 112-1 | 1350 | 21½ x 37 | — | — |
| 5 | 03008 | 15 | 24½ | 5½ | 46 | 30 16 | 2 x 2 x 24 | — | 64½ | 150-1 | 1800 | 27 x 32½ | — | — |
| 6 | 03009 | 25 | 30 | 8 | 47 | 31½ 16½ | 2½ x 2½ x 26 | — | 71 | 220-1 | 3000 | 30½ x 42½ | — | — |

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Utility Presses

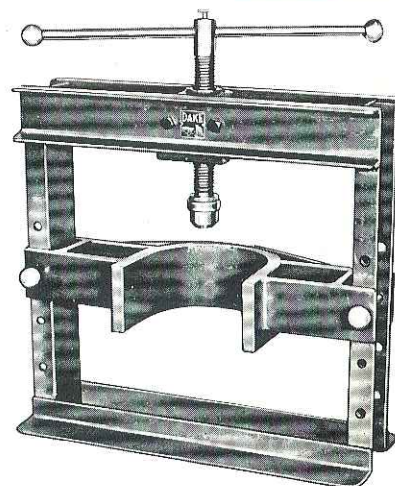
This 10-ton utility press has a wide range of uses in electrical, automotive, implement, appliance, and general repair shops. It is particularly adaptable to straightening and bending work or removing or replacing press-fit parts. The accessories, illustrated below, adapt the unit to many various requirements.



Model UT10A

MODEL UT10A WITH UT10-40 TABLE

- 10-Ton Capacity
- Welded Construction
- Acme thread screw
- Removable screw nose permits use of special attachments
- Timken Roller Bearing
- Table easily adjusted
- Adjustable handle permits varying leverages



Specifications

| Press No. | Item Code No. | Capacity Tons | Largest Diameter of Work Inches | Capacity Table To Ram Inches | Overall Height of Frame Inches | Largest Arbor Inches | Screw Travel Inches | Bench Space Inches | Shipping Weight |
|-----------|---------------|---------------|---------------------------------|------------------------------|--------------------------------|----------------------|---------------------|--------------------|-----------------|
| UT10-A | 09001 | 10 | 18 | 11½ | 20¼ | 3 | 5 | 8x21 | 75 |
| UT10-B | 09002 | 10 | 18 | 18½ | 27¼ | 3 | 5 | 8x21 | 80 |
| UT10-C | 09003 | 10 | 18 | 27½ | 36¼ | 3 | 5 | 8x21 | 90 |

Attachments UTILITY PRESS

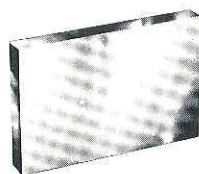
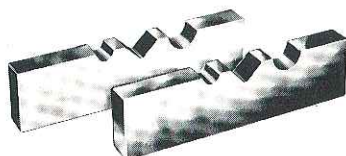
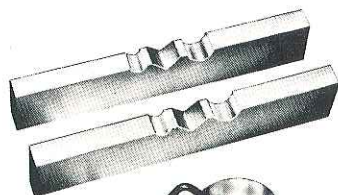


TABLE BLOCKS P10-13 for general press work, gluing, etc. Size 4 in. x 6 in. x ¾ in. Shipping weight 6 lbs. Item Code No. 09009.



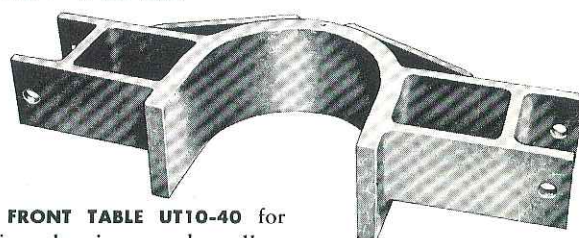
TWO V-BLOCKS P10-14 for Standard Press. Size 1¾ in. x 7 in. x ¾ in. Shipping weight 6 lbs. Item Code No. 09010.



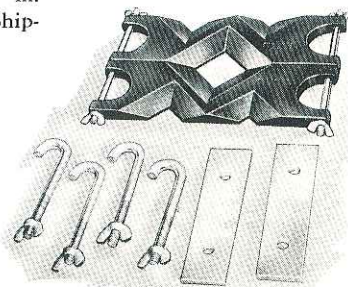
TWO V-BLOCKS UT10-14 for Press with Open Table. Size 2 in. x 10½ in. x ¾ in. Shipping weight 11 lbs. Item Code No. 09011.



POLE-SHOE SCREW DRIVER ASSEMBLY UT10-50 necessary to remove pole-shoe screws in generators. Shipping weight 6 lbs. Any common wrench can be used, however the Williams ratchet wrench No. S-50 is recommended. Item Code No. 09006.

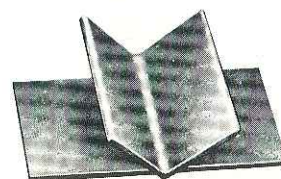


OPEN FRONT TABLE UT10-40 for removing bearings and pulleys from generators, motors, water pumps, etc. Table opening 7 in. Will fit all UT10 Presses. Shipping weight 35 lbs. Item Code No. 09005.



PULLER PLATE ASSEMBLY UT10-30 for removing bearings and pulleys from generators, motors, water pumps, etc. Smallest opening ⅝ in. square. Shipping weight 22 lbs. Item Code No. 09004.

STARTER AND GENERATOR HOLDER UT10-60 for holding generator while removing pole screw. Base dimension 4 in. x 8½ in. Shipping weight 7 lbs. Item Code No. 09007.

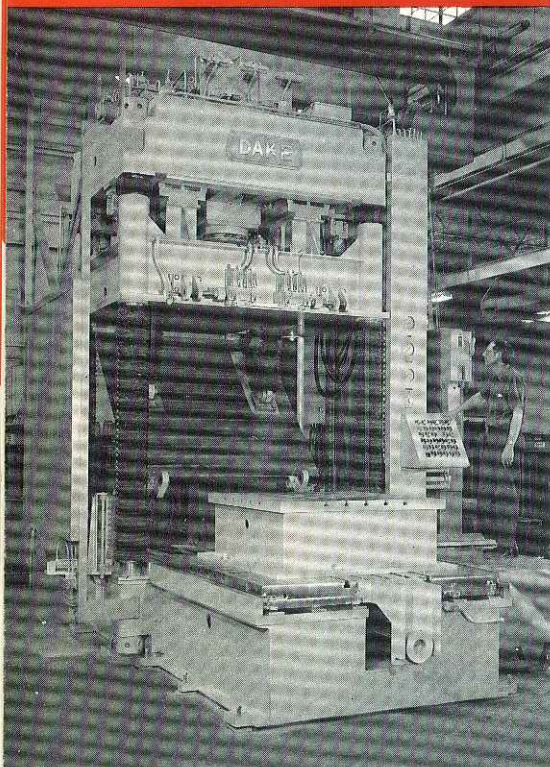


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DAKE

Custom-Engineered Presses



Upper left: Dake 4 post guided platen presses for metal forming, compression molding, die cast trimming, die cutting and die spotting applications.

Upper right: Dake movable frame straightening presses from 25 to 600 ton capacity.

Lower left: Dake horizontal presses from 25 thru 600 ton capacity.

Lower right: Dake 150 ton tire press to remove and install solid rubber tires on fork lift trucks.

